



# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

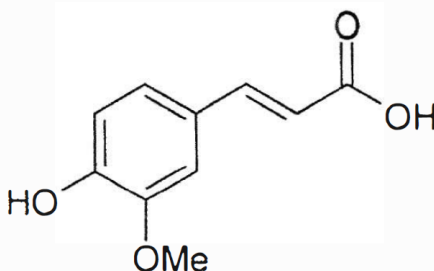
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	F-001
<u>Product Name:</u>	<b>FERULIC ACID</b> (4-Hydroxy-3-methoxycinnamic acid)
<u>Cas Number:</u>	[1135-24-6]
<u>Lot Number:</u>	0707054
<u>Chemical Formula:</u>	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>
<u>Molecular Weight:</u>	194.19
<u>Melting Point:</u>	170-173°C
<u>Appearance:</u>	Off white crystalline powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Chloroform : Methanol (9:1)
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Storage:</u>	Cool dry place
<u>Purity (HPLC):</u>	99.89%





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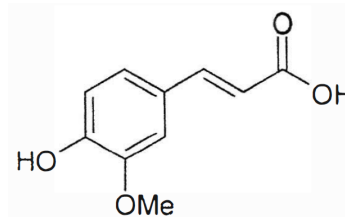
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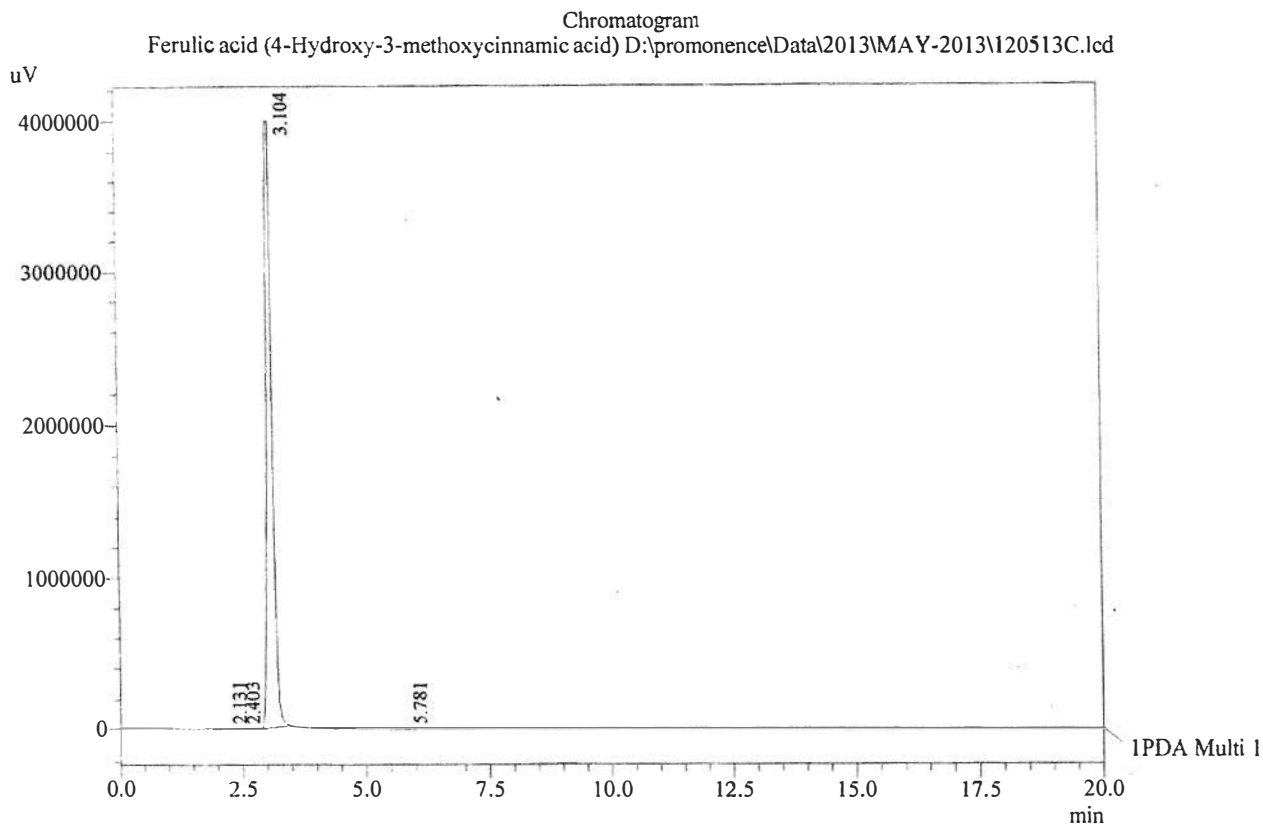
E-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Sanjeev  
 Sample Name : Ferulic acid (4-Hydroxy-3-methoxycinnamic acid)  
 Sample ID : Lot No: 0707054  
 Injection Volume : 20 uL  
 Data Filename : 120513C.lcd  
 Method Filename : Linear Isocratic.M.lcm  
 Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)  
 Flow : 1.000 mL/min.  
 Mobile Phase : A(40% of 0.05% TFA in water) B(60% of Acetonitrile)



Catalog No.: F-001  
 Product name: Ferulic acid  
 Lot No.: 0707054



1 PDA Multi 1 / 240nm 4nm

PeakTable

PDA Ch1 240nm 4nm

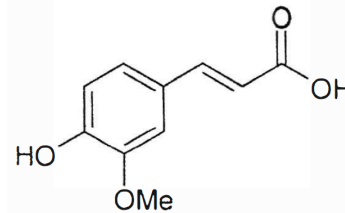
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.131	2.131	20995	0.06	0.69
2	RT:2.403	2.403	10231	0.03	0.77
3	Ferulic acid	3.104	33072183	99.89	1.00
4	RT:5.781	5.781	4839	0.01	1.86
Total			33108248	100.00	



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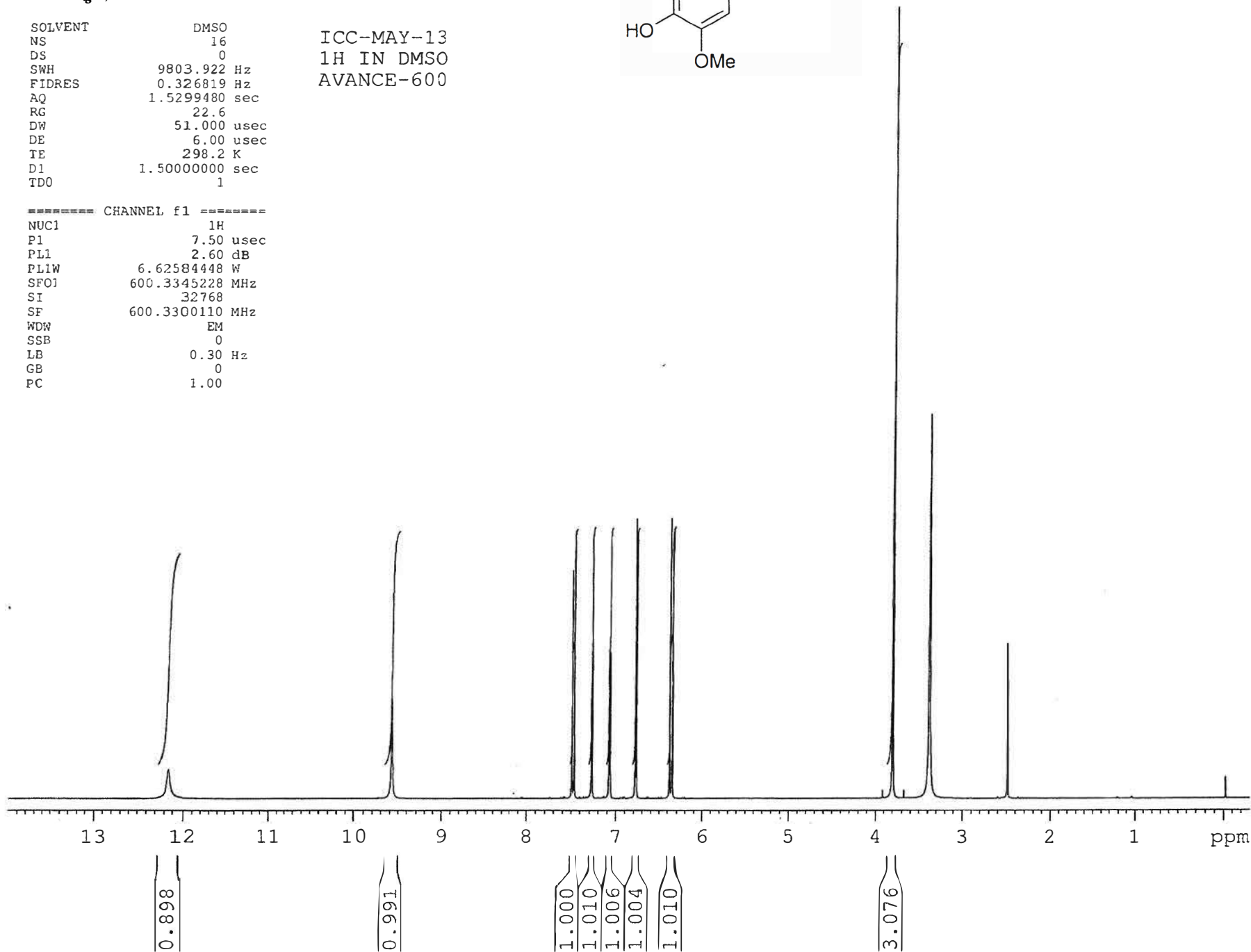
Catalog No.: F-001  
Product name: Ferulic acid  
Lot No.: 0707054



SOLVENT DMSO  
NS 16  
DS 0  
SWH 9803.922 Hz  
FIDRES 0.326819 Hz  
AQ 1.5299480 sec  
RG 22.6  
DW 51.000 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.5000000 sec  
TD0 1

ICC-MAY-13  
1H IN DMSO  
AVANCE-600

===== CHANNEL f1 =====  
NUC1 1H  
P1 7.50 usec  
PL1 2.60 dB  
PL1W 6.62584448 W  
SFO1 600.3345228 MHz  
SI 32768  
SF 600.3300110 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





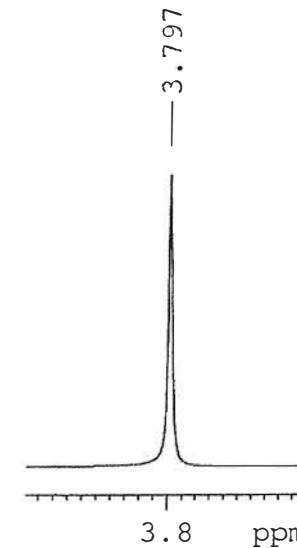
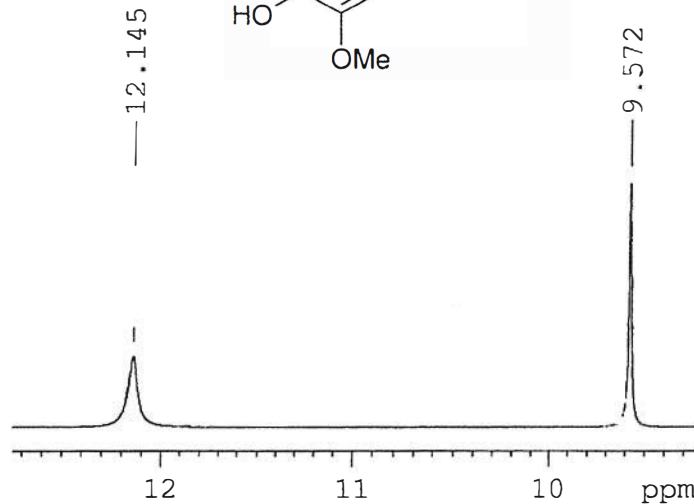
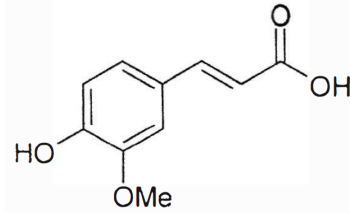
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Catalog No.: F-001  
Product name: Ferulic acid  
Lot No.: 0707054

SOLVENT	DMSO
NS	16
DS	0
SWH	9803.922 Hz
FIDRES	0.326819 Hz
AQ	1.5299480 sec
RG	22.6
DW	51.000 usec
DE	6.00 usec
TE	298.2 K
D1	1.50000000 sec
TD0	1

ICC-MAY-13  
1H IN DMSO  
AVANCE-600



```

===== CHANNEL f1 =====
NUC1      1H
P1        7.50 usec
PL1       2.60 dB
PL1W      6.62584448 W
SFO1      600.3345228 MHz
SI        32768
SF        600.3300110 MHz
WDW       EM
SSB       0
LB        0.30 Hz
GB        0
PC        1.00
  
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